Index of Claims

| Application/ | Control No |
|--------------|------------|
|--------------|------------|

10/632,447

Examiner

Reexamination

BASU ET AL.

Applicant(s)/Patent under

Art Unit

Djenane M. Bayard

2141

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Α

0 Objected

| | | | | | | | | | Claim Date | | | | | | | | | | | | | |
|--------------|----------|--------------|--------------|--|----------|--|--------------|--|--------------|--|---|--|----------|-----------|----------|---|--------------|----------|--|--|--------------|-----------------|
| Cla | im | _ | | _ | _ [| Date | <u> </u> | | | | | Cla | im | Date | | | | | | | | |
| Final | Original | 7/26/07 | | | | | | | | | | Final | Original | | | | | | | | | |
| | 1 | 1 | | | | | | | | |] | | 51 | | | | | | | | | |
| | 2 | 1 | | | | | | | | |] | | 52 | | | | | | | | | |
| | 3 | 1 | | | | | | | | |] | | 53 | | | | | | | | | |
| | 4 | 1 | | | | | | | | |] | | 54 | | | | | | | | | |
| | 5 | 1 | | | | | | | | | | | 55 | | | | | | | | | |
| | 6 | 1 | | | | | | | | | | | 56 | | | | | | | | | |
| | 7 | 0 | | | | | <u> </u> | L | | | | | 57 | Ш | \Box | | | | | | | |
| | 8 | 1 | 匚 | L | | | | L | | L | ļ | | 58 | | | | | | | | | |
| | 9 | 1 | _ | <u> </u> | <u> </u> | | | <u></u> | _ | | [| | 59 | Ш | | | | _ | | | | |
| | 10 | 1 | L | _ | | | | L. | | | | | 60 | Ш | _ | _ | | _ | _ | | _ | |
| | 11 | 1 | 匚 | 匚 | _ | <u> </u> | | | _ | _ | 1 | | 61 | | _ | | | _ | <u> </u> | | L. | |
| <u> </u> | 12 | 1 | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u>_</u> | <u> </u> | <u> </u> | 1 | | 62 | Ш | _ | | | <u> </u> | <u> </u> | _ | _ | Ш |
| <u></u> | 13 | 1 | <u> </u> | <u> </u> | نـــا | L | <u> </u> | ļ | | <u> </u> | | | 63 | Ш | _ | | | | _ | | _ | |
| | 14 | V | L | _ | | | <u> </u> | | <u> </u> | | | | 64 | \square | _ | | | _ | <u> </u> | _ | $oxed{oxed}$ | |
| | 15 | 1 | <u> </u> | <u> </u> | _ | <u> </u> | L | <u> </u> | <u> </u> | | 1 | | 65 | Ш | | | | | | | | Ш |
| | 16 | 1 | <u> </u> | <u> </u> | _ | <u> </u> | _ | _ | _ | | 1 | | 66 | \sqcup | _ | | | _ | _ | | | Ш |
| <u> </u> | 17 | 1 | ╙ | _ | _ | _ | | L. | | | | | 67 | | _ | | _ | <u> </u> | L | _ | _ | |
| | 18 | V | | <u>_</u> | _ | <u> </u> | _ | _ | <u> </u> | | 1 | | 68 | | | | | _ | L. | _ | | Ш |
| | 19 | 1 | | _ | | _ | _ | _ | <u> </u> | _ | 1 | | 69 | | _ | | | | | _ | _ | Щ |
| <u> </u> | 20 | 1 | _ | _ | _ | _ | _ | _ | | ļ | | | 70 | | _ | | | | _ | <u> </u> | | |
| <u></u> | 21 | 1 | | _ | _ | | | _ | <u> </u> | <u> </u> | | | 71 | - | _ | | | _ | _ | _ | _ | |
| | 22 | 1 | <u> </u> | _ | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | <u> </u> | | | 72 | \vdash | \dashv | | | <u> </u> | L_ | _ | | Ш |
| | 23 | 1 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | · | <u> </u> | | | 73 | | _ | | | _ | <u> </u> | <u> </u> | | Ш |
| | 24 | ٥ | ┡ | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | | | | 74 | - | | | | | _ | | _ | \vdash |
| | 25 | 1 | <u> </u> | - | | ├- | _ | | | <u> </u> | | <u> </u> | 75 | \vdash | \dashv | | _ | <u> </u> | <u> </u> | <u> </u> | _ | \vdash |
| - | 26 | <u> '</u> | ⊢ | _ | | - | | | | <u> </u> | | | 76 | \vdash | \dashv | | | <u> </u> | ⊢ | L | _ | \vdash |
| | 27 | | ⊢ | <u> </u> | <u> </u> | <u> </u> | H | ⊢ | | - | | | 77 78 | \vdash | \dashv | | _ | _ | ⊢ | H | _ | Н |
| | 28 | | | <u> </u> | ⊢ | ⊢ | \vdash | ⊢ | ⊢ | ⊢ | | <u> </u> | 79 | | | | - | | | - | | Н |
| | 29 30 | | | | - | | ├ | ⊢ | H | ⊢ | | | 80 | \vdash | \dashv | | | - | ├ | ⊢ | <u> </u> | Н |
| ├ | 31 | ⊢ | ⊢ | ⊢ | \vdash | - | | _ | - | - | - | <u> </u> | 81 | | | | - | - | <u> </u> | ⊢ | _ | Н |
| | 32 | - | | _ | _ | - | - | \vdash | ١ | ⊢ | | _ | 82 | \vdash | - | | | - | ⊢ | \vdash | _ | Н |
| - | 33 | ⊢ | \vdash | - | - | - | - | - | - | - | | | 83 | - | \dashv | | - | | ├─ | - | | Н |
| | 34 | - | | | | | ├- | - | - | | | <u> </u> | 84 | \vdash | - | | - | | | | | |
| | 35 | | | ┢ | - | ┢ | \vdash | \vdash | \vdash | \vdash | 1 | | 85 | \vdash | \dashv | | \vdash | \vdash | \vdash | \vdash | \vdash | H |
| | 36 | \vdash | - | | - | | - | - | | - | 1 | - | 86 | \vdash | - | - | - | \vdash | ┢ | 1 | \vdash | $\vdash \vdash$ |
| | 37 | \vdash | \vdash | \vdash | \vdash | \vdash | | \vdash | \vdash | \vdash | 1 | | 87 | \vdash | \dashv | _ | \vdash | \vdash | \vdash | \vdash | <u> </u> | $\vdash \vdash$ |
| | 38 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | - | 1 | | 88 | | - | | - | \vdash | | \vdash | - | $\vdash \vdash$ |
| | 39 | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | \vdash | 1 | \vdash | 89 | H | \dashv | _ | | \vdash | \vdash | \vdash | - | \vdash |
| <u> </u> | 40 | \vdash | \vdash | | - | | - | | | - | 1 | | 90 | +- | | | | | | | \vdash | \vdash |
| <u> </u> | 41 | \vdash | \vdash | \vdash | \vdash | \vdash | 一 | \vdash | T | \vdash | 1 | \vdash | 91 | \vdash | \dashv | _ | \vdash | ┢ | | \vdash | \vdash | \vdash |
| | 42 | Н | Т | 一 | \vdash | \vdash | \vdash | \vdash | T | \vdash | 1 | \vdash | 92 | \vdash | \dashv | _ | _ | \vdash | T | \vdash | \vdash | H |
| | 43 | | <u> </u> | T | | | <u> </u> | Г | T | T | 1 | | 93 | \vdash | - | | - | | \vdash | <u> </u> | - | \vdash |
| | 44 | Т | T | \vdash | | \vdash | T | \vdash | Т | Т | 1 | | 94 | \vdash | - | | | _ | T | <u> </u> | _ | Н |
| | 45 | | | | | \vdash | | 1 | | | 1 | | 95 | \Box | \neg | _ | | <u> </u> | | \vdash | \vdash | \dashv |
| | 46 | T | Т | \vdash | | \vdash | Г | T | Т | | 1 | \vdash | 96 | H | | | | | Ι- | | _ | $\vdash \vdash$ |
| | 47 | <u> </u> | \Box | <u> </u> | | <u> </u> | | | <u> </u> | | 1 | | 97 | П | | | | | T | П | \Box | Н |
| | 48 | 1 | | | | | | П | T | | 1 | | 98 | П | \neg | | | | | | | |
| | 49 | | | | | | · | | | | | | 99 | | | | | | | | | |
| | 50 | | | | | | | | | | | | 100 | | | | | | | | | |
| | | | • | _ | _ | | • | • | | | • | | | | | | | | | _ | | |

| Cla | aim | Date | | | | | | | | | | |
|--------------|----------|--|-------------|--|-------------|----------|--------------|-------------|--|---------------|--|--|
| | | | | | | | | | | | | |
| ज | Original | | | | | | | | | | | |
| Final | ij | | | | | | | | | | | |
| - | Õ | | | | | | | | | | | |
| <u> </u> | E 4 | _ | _ | \vdash | \vdash | _ | _ | - | _ | _ | | |
| - | 51 | _ | _ | <u> </u> | _ | | | | _ | _ | | |
| _ | 52 53 | _ | _ | _ | | · | _ | | _ | | | |
| <u> </u> | 53 | | | | | | | | | | | |
| ļ | 54 | | | | | _ | _ | | | _ | | |
| | 55 | | | | | | | | | | | |
| | 56 | | | | | | | | | | | |
| | 57 | | | | | | | | | | | |
| | 58 | | | | | | | | | | | |
| | 59 | | | | | | | | | | | |
| | 60 | | | | | | | | | | | |
| | 61 | | | Г | | | \vdash | | _ | Т | | |
| | 62 | | - | \vdash | | | - | | ┢ | | | |
| | 63 | \vdash | | | _ | | \vdash | | \vdash | \vdash | | |
| | 64 | | | - | | | - | | - | | | |
| | 64 65 | \vdash | — | ⊢ | | — | \vdash | | <u> — </u> | | | |
| | 00 | \vdash | <u> </u> | ⊢ | - | | | | | <u> </u> | | |
| | 66 | <u> </u> | | <u> </u> | | | - | | <u> </u> | | | |
| ļ | 67 | _ | | _ | _ | _ | <u> </u> | _ | _ | _ | | |
| <u> </u> | 68 | | | L. | | | | | | | | |
| <u> </u> | 69 | | | | | | | | | | | |
| | 70 | | | | | | | | | | | |
| - | 71 | | | | | | | | | | | |
| | 72 | | | | | | | | | | | |
| | 72 73 | | | | | | | | | | | |
| | 74 | | | | | | | | | | | |
| | 75 | | _ | _ | | | | | | $\overline{}$ | | |
| | 75 76 | \vdash | - | ┰ | | \vdash | _ | \vdash | \vdash | - | | |
| <u> </u> | 77 | \vdash | - | \vdash | | _ | \vdash | \vdash | \vdash | \vdash | | |
| | 77 78 | | _ | \vdash | | _ | \vdash | \vdash | - | \vdash | | |
| \vdash | 79 | | | ├ | - | | | - | - | - | | |
| \vdash | | - | | - | _ | | ├- | <u> </u> | <u> </u> | \vdash | | |
| | 80 | | | - | | | | <u> </u> | <u> </u> | _ | | |
| <u> </u> | 81 | <u> </u> | | | <u> </u> | _ | <u> </u> | H | _ | _ | | |
| | 82 | | | _ | _ | | | _ | | | | |
| | 83 | <u> </u> | <u> </u> | | _ | L | <u> </u> | | ļ | L | | |
| <u></u> | 84 | <u> </u> | | <u> </u> | | L | <u> </u> | _ | <u> </u> | <u> </u> | | |
| | 85 | <u> </u> | | <u> </u> | | _ | <u> </u> | <u> </u> | <u> </u> | L_ | | |
| | 86 87 | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | 匚 | | | L | _ | _ | | | |
| | 87 | | | _ | | | | _ | <u>_</u> | _ | | |
| | 88 | | | | | | | | | | | |
| | 89 | | | L | | | | | | | | |
| | 90 | | | | | | | | | | | |
| | 91 | | | Π | | | <u> </u> | | | | | |
| | 92 | | | | | | | | | | | |
| \vdash | 93 | | <u> </u> | | | | | \vdash | - | - | | |
| | 94 | | _ | | П | Η | | _ | | \vdash | | |
| - | 95 | | \vdash | \vdash | | | - | | \vdash | \vdash | | |
| \vdash | 96 | - | - | | | | | - | - | - | | |
| - | 97 | \vdash | \vdash | \vdash | \vdash | | - | - | _ | | | |
| | | - | | ├- | | <u> </u> | \vdash | \vdash | | | | |
| | 98 | - | - | | - | <u> </u> | | | - | <u> </u> | | |
| | 99 | - | <u> </u> | | <u> </u> | <u> </u> | - | - | <u> </u> | <u> </u> | | |
| 1 | 100 | | ı | ı | ۱ ۱ | | 1 | ı | I | | | |

| Te D | Cla | aim | Date | | | | | | | | | | |
|---|----------|-------|--------------|----------|----------|---------------|----------|--|----------|----------|-----------------|--|--|
| 101 | | | | | | | | | | | | | |
| 101 | at | ina | | | | | | | | | | | |
| 101 | Fi | rig | ľ | | | | | | | | | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | _ | 0 | | | | | | | | | | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | | 101 | | | _ | \vdash | - | | \vdash | | Н | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | | 102 | | | | \vdash | | - | _ | _ | Н | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | | 102 | - | _ | - | - | \vdash | \vdash | - | | - | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | | 103 | \vdash | | | - | - | \vdash | _ | _ | Н | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | | 105 | \vdash | | - | | - | - | | - | | | |
| 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149 | | 100 | ┝ | _ | - | - | | - | _ | ┝ | Н | | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 100 | - | | - | - | _ | - | | | Н | | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 107 | | _ | - | - | - | - | - | - | Н | | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 100 | <u> </u> | | <u> </u> | <u> </u> | _ | ┡ | _ | - | \vdash | | |
| 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 149 | | 109 | <u> </u> | | _ | _ | _ | <u> </u> | _ | | Щ | | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 110 | <u> </u> | _ | <u> </u> | _ | _ | _ | _ | | Ш | | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | <u> </u> | 111 | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | _ | <u> </u> | <u> </u> | Щ | | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 112 | <u> </u> | <u> </u> | <u> </u> | | \vdash | | L_ | <u> </u> | $\vdash \vdash$ | | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | <u> </u> | 113 | <u> </u> | L | _ | ļ | | <u> </u> | _ | _ | | | |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | <u> </u> | 114 | <u> </u> | <u> </u> | _ | \sqsubseteq | _ | lacksquare | L. | | Ш | | |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 115 | L_ | L | | <u> </u> | <u> </u> | L | | | Ш | | |
| 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | <u> </u> | 116 | L. | | | _ | | | | | Ш | | |
| 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 117 | <u></u> | <u> </u> | | _ | | | <u> </u> | _ | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 118 | | _ | | | | | _ | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 119 | | | <u></u> | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 120 | | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 121 | | | L | | | | | L | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | - | 122 | | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 123 | | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 124 | | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 125 | | | | | | | _ | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 126 | | | | _ | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 127 | L | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 128 | | | | | | | | L | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 129 | | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 130 | | | | | | | | | | | |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | • | 131 | | | | | | | | | | | |
| 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | i 132 | | | | | | | | | | | |
| 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 133 | L | | | | | | | | | | |
| 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 134 | | | | | | | | L | | | |
| 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 135 | | L | | | | | | | | | |
| 138 139 140 141 142 143 144 145 146 147 148 149 | | 136 | | | | | | | | L | | | |
| 138 139 140 141 142 143 144 145 146 147 148 149 | | 137 | | | | | | | | | | | |
| 139 140 141 142 143 144 145 146 147 148 149 | | 138 | | | L | | | | L | L | | | |
| 140 141 142 143 144 145 146 147 148 | | 139 | L | | | | | | L | | | | |
| 141 | | 140 | | | | | | | | | | | |
| 143 | | 141 | | | | | | | | | | | |
| 144 145 146 147 148 149 | | | | | | | | | | | | | |
| 145 146 147 148 149 149 | | | | | | | | | | | | | |
| 145 146 147 148 149 149 | | 144 | | | | | | | | | | | |
| 147 148 149 | | 145 | | | | | | | | | | | |
| 147 148 149 | | | | | | | | | | | | | |
| 149 | | 147 | | | | | | | | | | | |
| 149 | | 148 | | | | | | | | | | | |
| 150 | | 149 | | | | | | | | | | | |
| | | 150 | | | | | | | | | | | |